Growth of Space Weather Customers

Space Environment Center Satellite Cellphones Atomic Clock

Weather Satellite
Operations

Carbon Dating Experiments

GPS Navigation

Ozone measurements Aircraft Radiation Hazard Commercial TV relays

Communication Satellite Orient.

Spacecraft Charging

Satellite Reconnaissance & Remote Sensing Instrument Damage

Geophys. Exploration, Pipeline Ops.

Anti-Submarine Detection

Satellite-power Solar Arrays

Power Distribution

Long-Line Telephone Systems

Radiation Hazards to Astronauts

Interplanetary Satellite experiments

VLF Navigation Systems (OMEGA, LORAN)

Over-the-Horizon Radar

1980

Solar-Terres. Research & Applic. Satellites Research & Operations requirements

1990

2000

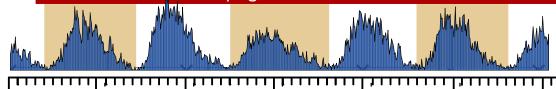
Satellite Orbit Prediction

Solar Balloon & Rocket experiments

Ionospheric Rocket experiments

Short-wave Radio Propagation

1960



1970

1940 Space Environmen Contor